

IN THE SPECIFICATION

Please replace the Title of the invention with the following replacement Title:

IMAGE PROCESSING USING PIXEL DATA CORRELATIONS

Please replace the paragraph of the specification at page 10, lines 9-16 with the following replacement paragraph:

The shaded parts in FIG. 6 are G-pixels, and the calculations using the formulas (2) and (3) are not carried out. The darker shaded part ("58.8") is an interpolation data of G-pixel of R23 (i.e., G23). Since the correlation coefficient K ( $\approx -10$ ) of the pixel of R23 is less than 0, as shown in FIG. 5, it is determined that the horizontal correlation is greater, so that ~~G23=58.5~~ G23=58.8 is obtained using the formula (3).